

161744
ORIGINAL
(Red)

1ST TRIP

PCB ASSESSMENT

ENVIRONMENTAL INSPECTION TEAM FOR PCB ASSESSMENT AND REMOVAL AND DISPOSAL

TO:

Bethel 101 - th, W.V., U.S.A. 26101-1111

FROM:

John Claypool, LAT, Austin 111-6

1000 2310-05

DATE:

10/23/84

PCS# 3005

SUBJECT:

Preliminary Assessment - Schaffer Electric Company
PCB Site in Minden, West Virginia

Background

West Virginia Department of Natural Resources (DNR) inspector Leroy Gilbert discovered the Schaffer Electric Company (SECO) Site in late September 1984. During his initial inspection he observed several hundred transformers and capacitors in close proximity to the small coal camp of Minden, West Virginia. A four point composite and a grab sample from the drainage ditch to Arbuckle Creek were collected. The samples revealed 26,749 ppm PCB and 1,136 ppm PCB respectively.

Findings

On October 23, LAT members John Claypool, Jay Motwani and Ken Hilsbos met with West Virginia DNR inspectors Leroy Gilbert and Rob Jelacic. The assessment team met with the property owner and secured permission to conduct the assessment. Schaffer Electric Company is an operating firm that builds electrical substations for the local coal mining industry. Many of their units incorporated various sizes of transformers, capacitors, switches and other voltage regulation/distribution devices. Mrs. Schaffer instructed her forklift operator to separate the useable transformers in the yard from the ones they had no use for. The operator initiated this operation while the assessment team was present.

A total of approximately 150 transformers and 50 capacitors were observed. Most of the capacitors were laying on their sides. Several capacitors had broken insulators with heavy oil spillage in the vicinity. Evidence that at least 2 transformers were initially filled with PCB fluids was obtained from nameplate inspections; "chlorextol" and "pyranol" labels were observed.

A total of 8 soil/sediment samples were obtained during the assessment. Sediment samples were taken in Arbuckle Creek upstream and downstream of the confluence of the main drainage ditch. In the main capacitor spillage area, a surface sample and a 12" core sample were obtained. Both samples were saturated with oil. The remaining samples were taken throughout the site.

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110-15
10-15-1985
Schaffner Electric Company
Page 2

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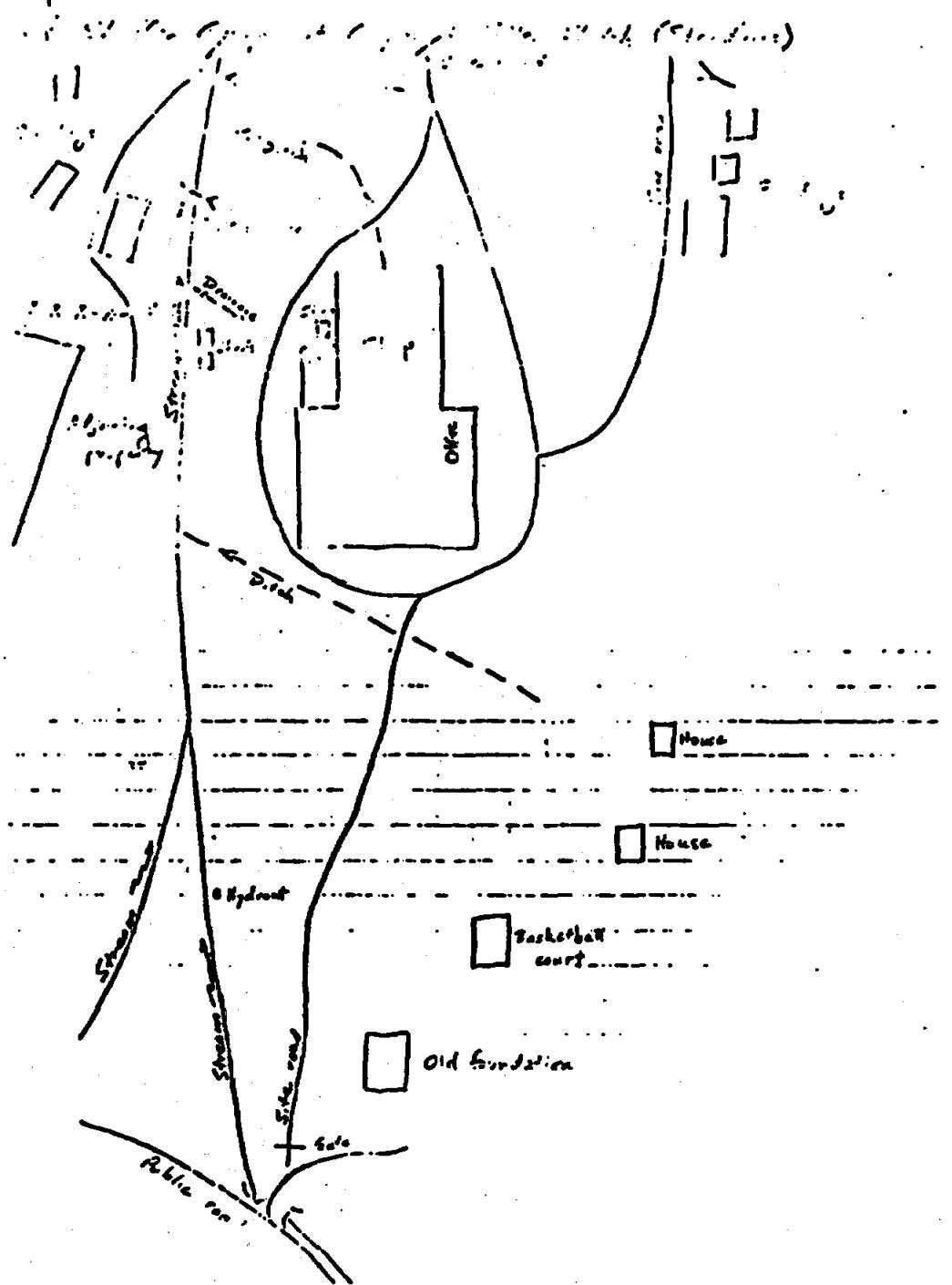
The samples were packed into a cooler and transported to the TAT Region III office. Chain-of-custody protocols were followed throughout transport and shipping of samples.

All samples were shipped to United Laboratories in Baltimore, Maryland for rapid tritium/PCB analysis using EPA method 2090. Verbal results are expected by 10/30/84.

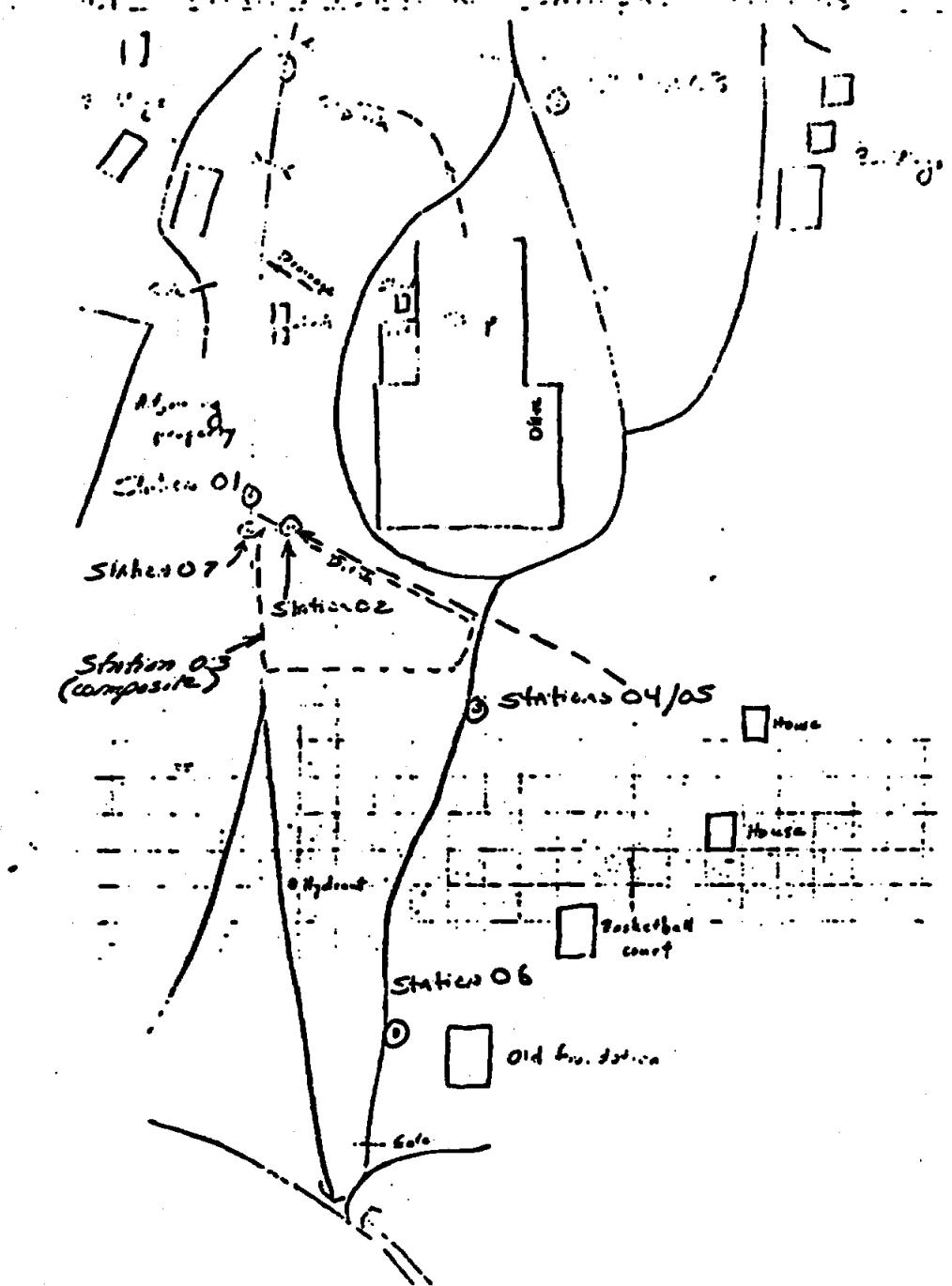
Attachments:

- 1) Site sketches
- 2) Chain-of-custody
- 3) Photographs

100016



AR100017



AR100018

Count of containers by type & location

	1-gal.	5-gal.	10-gal.	30-gal.	55-gal.	Other
A	7	59	59	69	5	4
B	8		12			
C	3					
D	10		2			
E	2	27	13	23	1	Boiler (18' horiz. length, 6' dia.)
F		19	16			
G	39		5		1	
H		3				
I	7	29	3	27	2	
J	1		1			large amp pile; 55 oil cans (transformer is empty, not above)
K	60	3	1			
L			3	2	1	large amp pile; 55 oil cans (transformer is empty, not above)

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BY _____ DA... _____

DIV _____

SHEET _____

OF.

CHKD BY _____ DATE _____

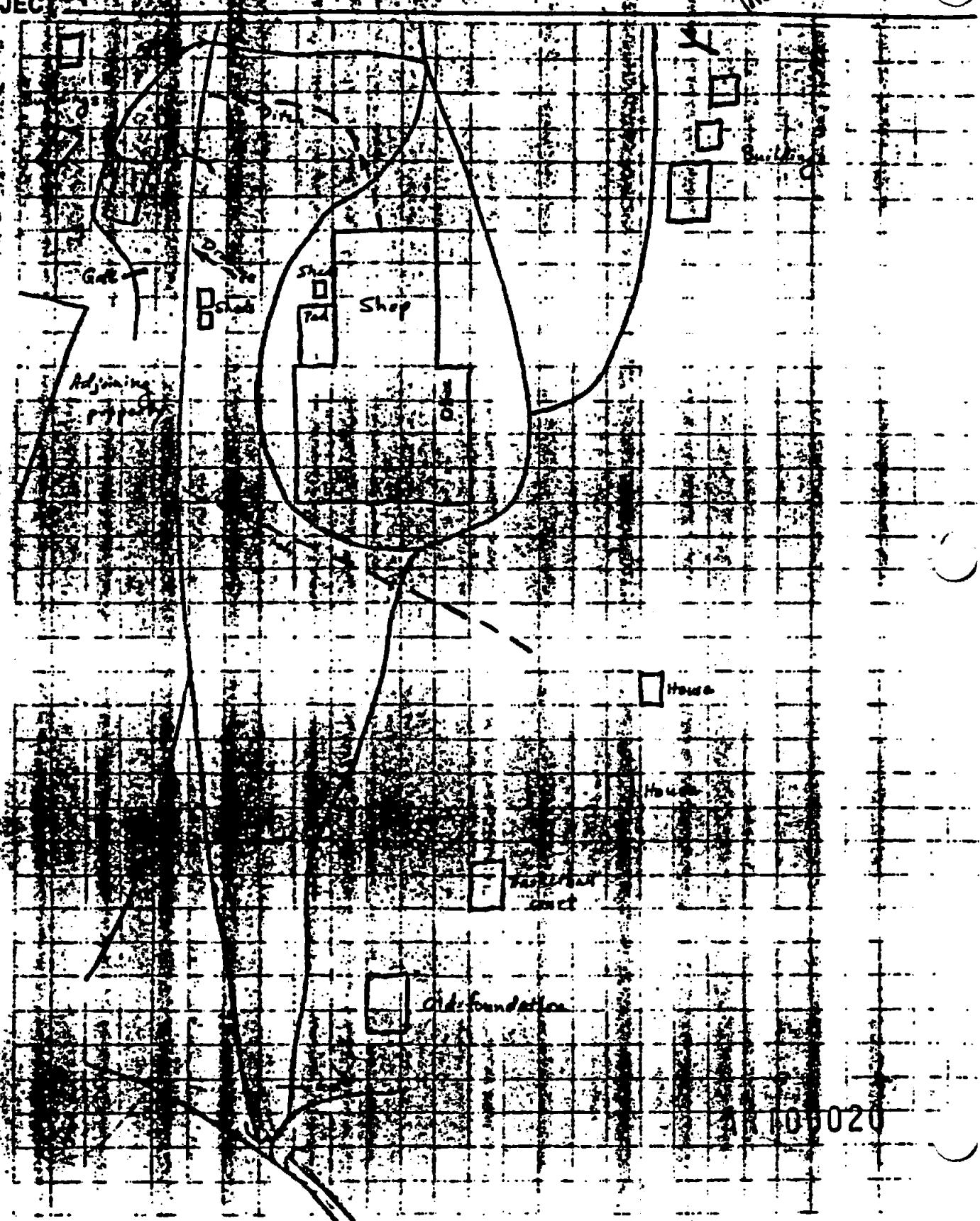
DEPT _____

W.O. NO. _____

PROJECT _____

SUBJECT _____

ORIGINAL
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00020

DRUM INSPECTION LOG

Drum # /
Project #

Date 12/6/88
Time 11:00

Type of Contents: SOLID LIQUID SLUDGE LAB PACK

EXPLOSIVE OTHER — 1.

Color Red Size of Grain — 1000

pH PAPER METER

Drum Size: 55-gallon 42-gallon 30-gallon 5-gallon

Other _____

Amount of Contents: Full three-fourths one-half
one-fourth less than one-fourth

Sample Method: Pipette Trowel Other Glass rod

Drum Markings: Transformer 65 "

Additional Comments: HNV reading 2 ppm

PCB 2.0 ppm

* * * * *

LAYER DESCRIPTION

SINGLE
LAYER

DRUM INSPECTION LOG

Drum # 2
Project # 1

Date 12-6-84
Time 10:45

Type of Contents: SOLID LIQUID SLUDGE LAB PACK

EXPLOSIVE OTHER _____ |

Color Dark yellow / Gold Size of Grain —

pH PAPER METER ORIGINAL

Drum Size: 55-gallon 42-gallon 30-gallon 5-gallon

Other _____

Amount of Contents: Full three-fourths one-half
one-fourth less than one-fourth

Sample Method: Pipette Trowel Other Glass rod

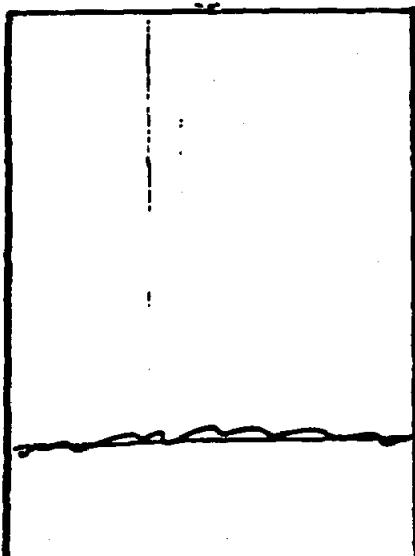
Drum Markings: Doa Eastham 209 "Galant"

Additional Comments: 147 ppm PCB H-ND reading
>20 ppm

DRUM INSPECTION LOG

Drum # 3
Project #Date 12-6-86-
Time 10:30Type of Contents: SOLID LIQUID SLUDGE LAB PACK
 EXPLOSIVE OTHERColor light yellowSize of Grain n/apH -PAPERMETERDrum Size: 55-gallon 42-gallon 30-gallon 5-gallon
Other -Amount of Contents: Full three-fourths one-half
one-fourth less than one-fourth Sample Method: Pipette Trowel OtherDrum Markings: None drumAdditional Comments: Drum bulging & rusting.H. dW 6.0 ppm / 5.4 ppm PCB

LAYER DESCRIPTION



LAYERS

Designation	State
on	Liquid
in	Liquid
	AR F00023

Site of Potential Health Hazard

Address or location of site

Site name: Hickory Creek Apartments

City: Charlottesville

State: West Virginia

County: Jefferson

Directions to site: At S. 11th & 1st Street, just west of the intersection of 11th & 1st Street. Take Route 220 South from 11th Street to Hickory Creek (at 1st Street). This is a dirt road and just before reaching Hickory Creek

Is site access controlled? No

By what means?

Contact to gain access: Anna Shaffer or Robert Maynor
(304) 467-3381

Riskous Conditions:

CONDITION	OBSERVED	POTENTIAL	NOTE
Surface Water Contamination		✓✓	
Groundwater Contamination		✓	
Air Contamination		✓	
Fire/Explosion		✓	
Direct Contact		✓	
Soil Contamination	✓		
Drinking Water Contamination		✓	

Comments: Resident of the building was to be interviewed.
Information has not been received.

AR100024

Site Name or Project # 12

Address _____

City _____

State _____ Zip Code 22317

Altitude (elevation) 100 ft

Nearest Road (name and direction)

County _____

City _____

Other agency contact(s) for information

Alt. Terrain: flat bottom of backwater Creek

Nearest Navigable Waterway: Distance 1-1½ miles from New River
Narrow and meandering river

Is site sketch attached? yes

Was air monitoring performed? yes

Using what instruments? Century Organic Vapour Analyzer (COVA)

By whom? TAT member J. Chapman

Were instruments calibrated? yes

Readings noted: background 1.4 ppm

Were samples taken? yes Is sample plan attached? yes

Description: soil / sediment samples for PCB analysis

Where analyzed (what lab?)

Were photographs taken? yes

By whom? J. Chapman

Description of adjacent properties: residential - at least 20

Acres with no buildings, trees.

Altitude (elevation) in 1/4 miles 6.5' vs

AR100025

(b) Status (Active, Inactive, etc.): Inactive

(c) Characteristics (radioactive, etc.):

(d) Contaminants:

1) Type: <u>Stainless Steel</u>	2) Capacities: <u>100000</u>	3) Number: <u>57</u>	4) Condition: <u>ok/bad</u>
2) Number: <u>129</u>			
3) Condition: <u>new</u>			

4) Labeling: FR. lab. #100000

^(Pyrolyzed)
^{"Chlorinated"}

Site Status: Active/Inactive Active - built underground, e.g. in m.
Substations/switch houses.

Years of Operation: 14 Begin 1970 End on-going

Is background information attached? None available

Representative of other agency on site visits:

Leroy L. Gilbert; WV DNR Inspector

Robert W. Maynor - Manager Shaffer Equipment Co.

Robert Talcott - WV DNR Hazardous Waste Div.

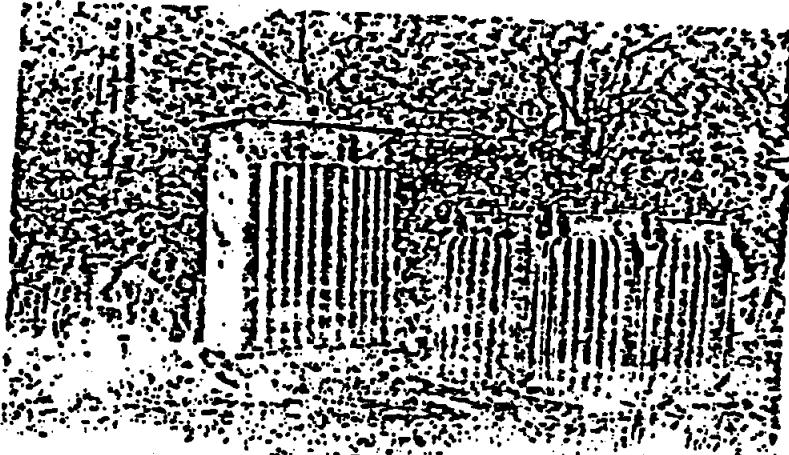
Assessment performed by: Taylor: C18-2-01 TAT

Troy M. Morris TAT

Kris E. Goss TAT

AR100026

1. Main Entrance road. Note large trans-
formers in front of bent on right.



2. Large transformer in Area A are
staged on, right.

AR100027

3. CENTRAL VIEW OF THE SITE. NOTE
RAILROAD STORAGE OF UNITS IN THE
VARIOUS AREAS.



4. CLOSE-UP OF 13.

AR100028